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Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Albuquerque, New Mexico  
August 26, 2004

**Applicant:** Alex Nugent      **Group:** 2121  
**Serial No.:** 10/748,631      **Examiner:** UNKNOWN  
**Filed:** Dec. 30, 2003      **Atty Docket No.:** 1000-1216  
**For:** APPLICATION OF HEBBIAN AND ANTI-HEBBIAN  
LEARNING TO NANOTECHNOLOGY-BASED PHYSICAL  
NEURAL NETWORKS

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The following sections are being submitted for this Supplemental Information Disclosure Statement:

1. Preliminary Statements.

Applicant(s) submits herewith additional patents, publications or other information as the result of an International Search Report, that they believe may be material to the patentability of the claims under consideration in this application and in respect of which there may be a duty to disclose under 37 C.F.R. § 1.56.

The filing of this Supplemental Information Disclosure Statement shall not be construed as a representation that a search has been made (37 CFR § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56 (37 C.F.R. § 1.97(h)), or that no other material information exists.

The filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that the references are prior art within the meaning of 35 U.S.C. §§ 102 or 103. Further, any explanation, if provided, is not to be construed as a representation that the references have been thoroughly reviewed. In particular, no representation as to the relevance of any portion of any reference is intended.

The filing of this Supplemental Information Disclosure Statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

2. Form PTO-1449, List of Prior Art Cited by Applicant, citing 2 U.S. patent, and 1 foreign patent and/or publication.

3. Attached to this Supplemental Information Disclosure Statement is a copy of the International Search Report in the corresponding International Application, along with the cited references, for consideration by the U.S. Patent and Trademark Office. Copies of the references listed in the International Search Report that have not been provided are believed to define the general state of the art and are not considered to be of particular relevance.

4. These references are in addition to those listed in any Supplemental Information Disclosure Statement and Form PTO 1449 filed previously with the U.S.P.T.O.

5. Statement in accordance with 37 C.F.R. § 1.97(e):

☒ (1) Each item of information contained in the Supplemental Information Disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the Supplemental Information Disclosure statement; or

☐ (2) No item of information contained in the Supplemental Information Disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the Supplemental Information Disclosure statement after making reasonable inquiry, no item of information contained in the Supplemental Information Disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Supplemental Information Disclosure statement.

6. The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor(s) and the information in the attorney's file.

7. The Office is authorized to charge Applicant's Deposit Account 01-1125 for any fee that may be due under 37 C.F.R. § 1.17(p) for consideration of this IDS and for any other fee that may be due.

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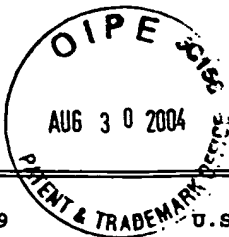
#### CERTIFICATE OF MAILING

I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited on the date shown below addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231:

☒ 37 CFR 1.8(a)(1)(A)  
With the United States Postal Service  
with sufficient postage as first class  
mail in an envelope.  
Dated: Aug. 27, 2004

☐ 37 CFR 1.8(a)(1)(B)  
by facsimile transmission to facsimile  
number  
Kermit D. Lopez  
Kermit D. Lopez, Reg. No. 31,953

☐ 37 CFR 1.10  
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FORM PTO-1449  
(REV. 7.80)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.:  
1000-1216

SERIAL NO.: 10/748,631

LIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT: Alex Nugent

FILING DATE: Dec. 30, 2003

GROUP ART UNIT: 2121

U. S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	5,706,404	01/06/1998	Colak	395	24	07/30/1996
	5,315,162	05/24/1994	McHardy et al.	307	201	10/04/1991

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 00/44094	07/27/2000	WIPO	HO3K	19/00	YES	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

PCT Notification of Transmittal of the International Search Report or the Declaration, Date of Mailing June 4, 2004

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.